Jamf Concepts

Jamf Printer Manager

April 19, 2023

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Introduction

Printer Configurations can be configured in Jamf Pro settings and then deployed to managed Computers via a policy. The Jamf Pro Administrators Guide describes the process.
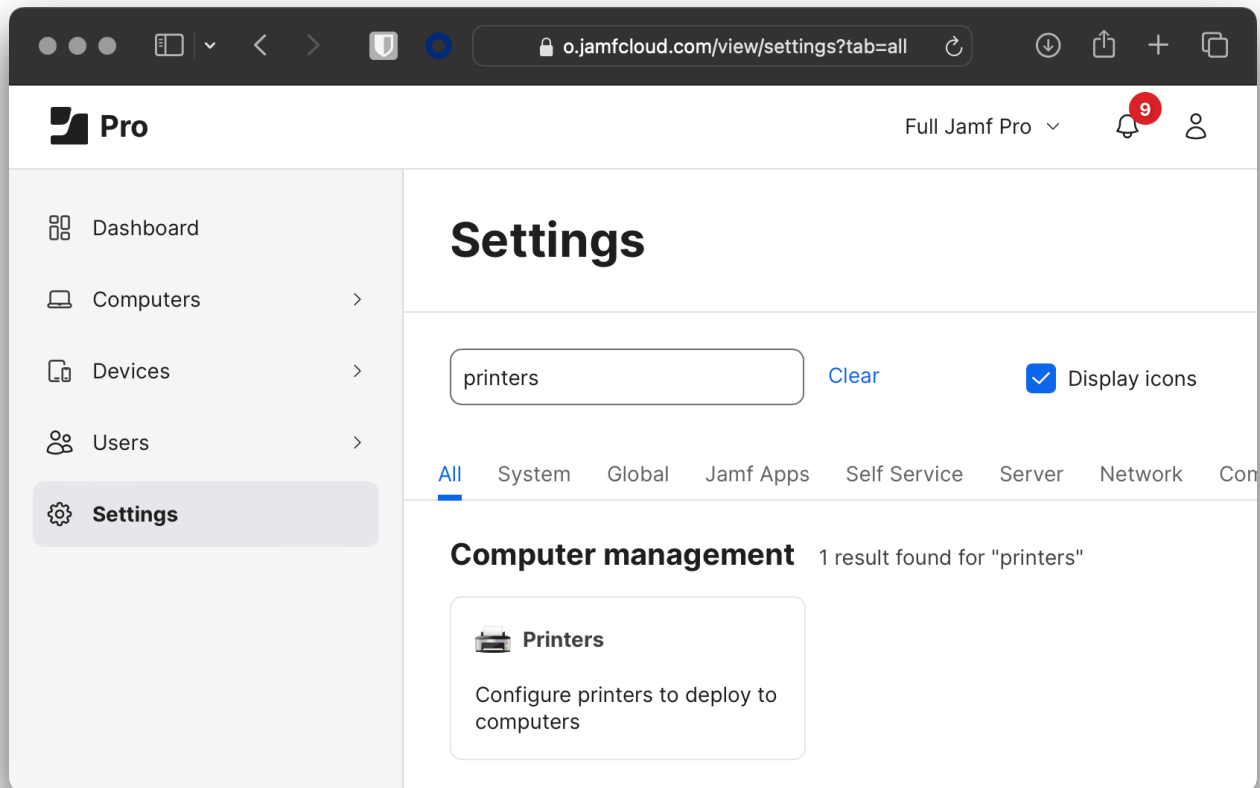
When you add a printer in the Jamf Pro console, you manually specify information about the printer, such as the CUPS name, device URI, and printer definition (CUPS PPD) file. **Jamf Printer Manager** simplifies the process by reading the settings for a printer that's already been configured in macOS and uploading its configuration details to Jamf Pro. These settings can then be adjusted within the Jamf Pro console as needed.

App Details

License

MIT. Please see the LICENSE file in the project GitHub repository.

Copyright Notice

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Privacy & Security

The application does not collect user or usage information and will not contact any remote system other than the Jamf Pro Server you configure in order to retrieve information about the configured printers and upload printer details.

Jamf Pro login settings are optionally saved to your macOS user keychain.

Bill of Materials

Swift macOS app with no open-source or non-apple libraries.

App Details

Requires macOS 13.0 or later
App Sandbox - Enabled
Hardening - Enabled - Version 14.2.0
Notarization - Granted
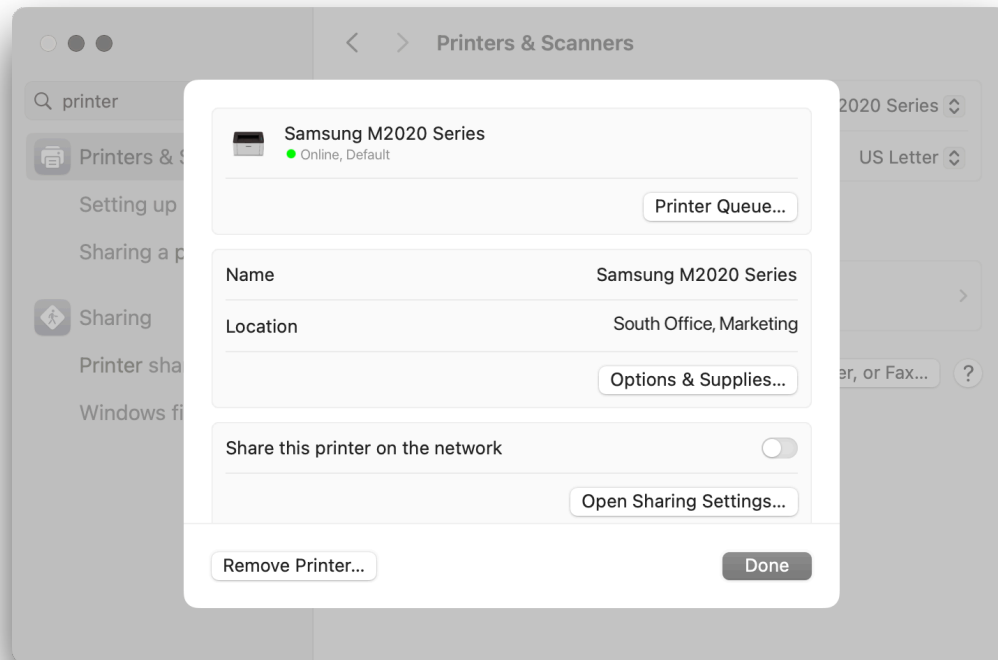Gatekeeper - Notarized Developer ID
Signed By - JAMF Software (483DWKW443)

Please do not use this software if you did not receive it from Jamf or if it's not signed by Jamf Software.

Using Jamf Printer Manager

Configuring Printers

Using macOS System Settings, configure one or more printers on your Mac. Print something to ensure everything's working.


Launch Jamf Printer Manager

Open the Printer Manager application. Gatekeeper may ask for permission to "Open an app downloaded from the internet" on first run.

You'll be prompted to enter credentials for a Jamf Pro Server. You can optionally save your server URL and login information to your keychain so you don't have to re-enter it the next time you use the program.

Saved servers are listed in the Server drop-down menu on the login screen. The menu also has an "Add server…" option if you need to add more than one.

The API user or client will require the following permissions in Jamf Pro:

- **Printers** (Create, Read, Update, Delete)

- **Categories** (Read)
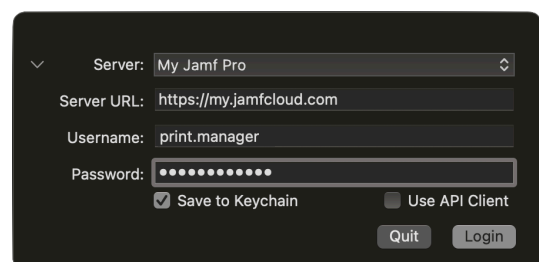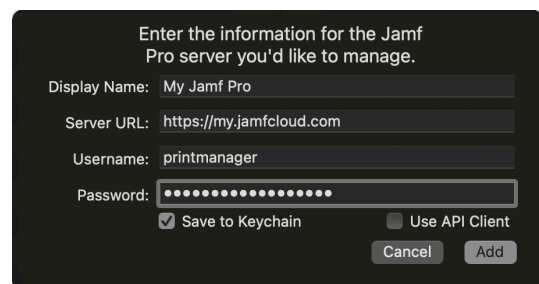
Adding and Editing Printers

Use the application to move local printer configurations to Jamf Pro:

- The application window title bar shows the currently connected Jamf Pro server **(1)**.

- A list of printers configured on the local Mac that are not already uploaded to Jamf Pro **(2)** is displayed on the left.

- If you configure or modify a printer in System Settings and want to reload the list, click the refresh button **(3)**.

- A list of printers configured in Jamf Pro on the right **(4)**.

- To upload a local printer to Jamf Pro, highlight it in the list and optionally, select a category from the drop-down list **(5)**, then click the Add button **(6)**.

- You may delete a printer from Jamf Pro by highlighting it in the list on the right and clicking the delete button **(7)**.
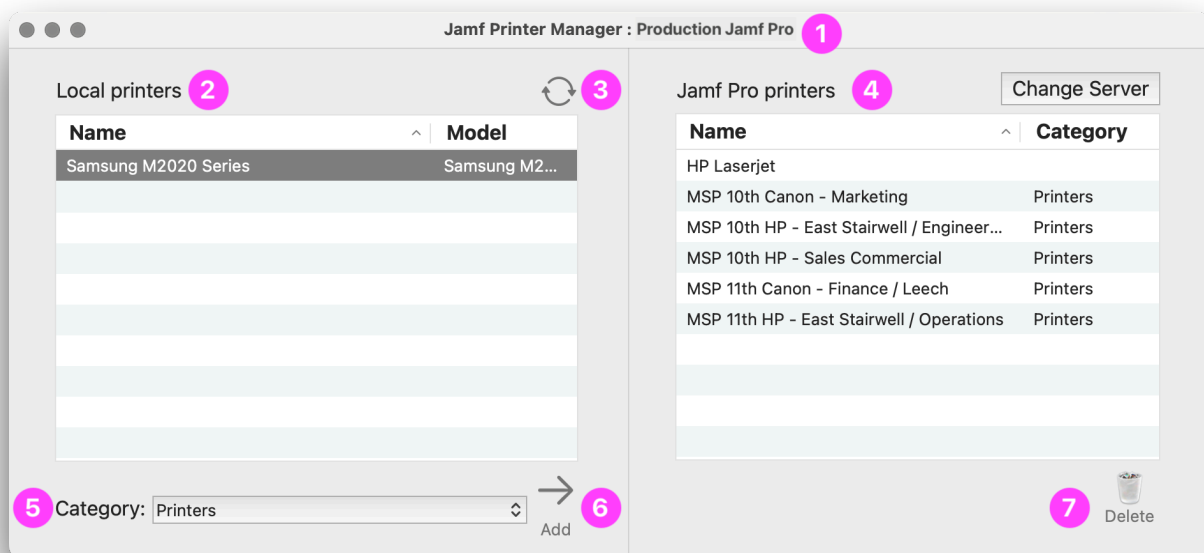
Double-clicking a printer in the Jamf Pro printer list (on the right) opens a window where you can make edits to the printer configuration. The printer setting fields are separated into General, Definition, and Limitations tabs. Click the Save button on the lower-right to save your changes and return to the printer list window.

Printer Info

General Definition Limitations

Display Name
HP Laserjet

Category
Printers

☐ Set as Default

Information
Main Office Printer

Notes
Next to Nancy's Desk

Cancel   Save

Printer Info

General Definition Limitations

CUPS Name
hplaser

Model
HP 2020n

Location
Upstairs

Device URI
ipp://10.1.20.120/

☑ Use generic PPD file

Path To PPD File
/System/Library/Frameworks/ApplicationServices.framework/Versions/A/Frameworks/Pr

Upload PPD

Cancel   Save

Once you've uploaded your printer configuration(s) to Jamf Pro, log into the Jamf Pro console to create and scope a policy to deploy the printer. Further information may be found in the Jamf Pro Administrator's Guide.

Troubleshooting notes

API calls

Endpoint	REST Operation	Privilege
/api/v1/auth/token	POST	None
/api/v1/jamf-pro-version	GET	None
/JSSResource/printers	GET	Printers - Read
/JSSResource/printers/id/	GET/POST/PUT/ DELETE	Printers - Read/Create/Update/ Delete
/JSSResource/categories	GET	Read - Categories

Application Logs

You can view the logs from within the app with the **View → Logs** menu item. The log file is located in the `~/Library/Containers/Jamf Printer Manager/Data/Library/Logs` directory.

Keychain Items

Any Jamf Pro credentials you choose to save will have an entry in the Login keychain. The keychain items will be named "JamfPrinterManager-<hostname of Jamf Pro instance>".
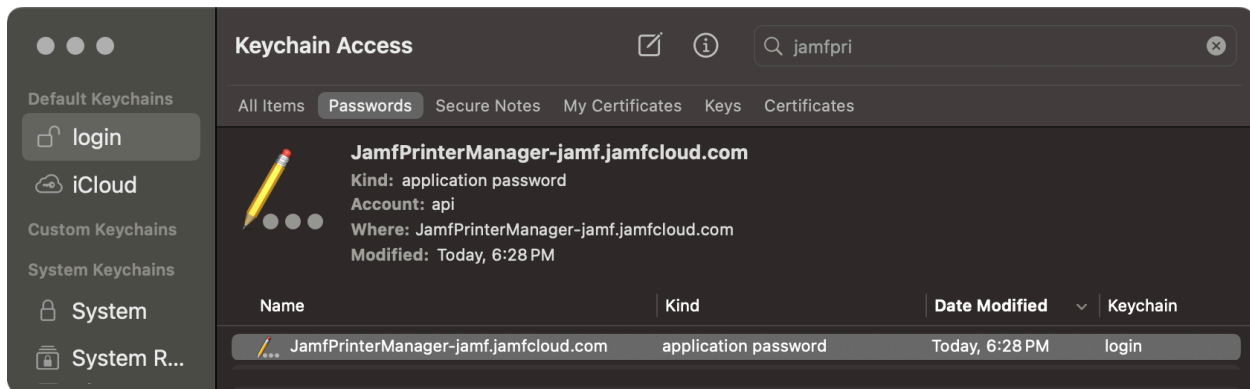
Data and Settings

Files created by the application are stored in:

`~/Library/Containers/com.jamf.ce.printermanager/Data` (Jamf Printer Manager)

The main preference file is:

`~/Library/Containers/com.jamf.ce.printermanager/Data/Library/Preferences/ com.jamf.ce.printermanager.plist`